

**POWER SYSTEM OPERATION CORPORATION LIMITED
NATIONAL LOAD DESPATCH CENTRE
NEW DELHI**

System Reliability Indices Report for the month of April 2018

Date: 4-May-2018

Percentage (%) of times ATC was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	14	3.50	0.49
5	NER Import	0	0.00	0.00

Percentage(%) of times (N-1) Criteria was violated

S.No.	Corridor	Number of Blocks Violated	Number of Hours Violated	%Violation
1	WR-NR	0	0.00	0.00
2	ER-NR	0	0.00	0.00
3	Import of NR	0	0.00	0.00
4	NEW-SR	0	0.00	0.00
4	NER Import	0	0.00	0.00

Remarks: Flows crossing Total Transfer Capability (TTC) on interregional corridors has been worked out as a proxy for (N-1) violation.

विद्युत विभव रूपरेखा माह – अप्रैल 2018

VOLTAGE PROFILE - APRIL 2018

Date of reporting: 04-May-18

क्र.सं. Sl. No.	क्षेत्र REGION	उपकेंद्र SUBSTATION	VOLTAGE < V(lower)* (V=380,728 kV)	V(lower) < VOLTAGE < V(upper)*	VOLTAGE > V(upper)* (V=420,800 kV)	Voltage Deviation Index (%age of time voltage is outside range)	Number of hours voltage was outside IEGC band during month	उच्चतम (कि.वो.) Maximum(kV)	निम्नतम(कि.वो.) Minimum(kV)	औसत (कि.वो.) Average(kV)
1	पूर्वी क्षेत्र ER	अंगल ANGUL	0%	100%	0%	0%	2	802	750	774
2		गया GAYA	0%	100%	0%	0%	0	796	740	769
3		झारसगडा JHARSUGUDA	0%	100%	0%	0%	2	804	767	785
4		रांची RANCHI	0%	100%	0%	0%	0	797	763	779
5		सासाराम SASARAM	0%	100%	0%	0%	0	794	728	760
1	उत्तरी क्षेत्र NR	आगरा AGRA	0%	100%	0%	0%	0	796	740	773
2		आगरा (फतेहबाद) AGRA (FATEHABAD)	0%	100%	0%	0%	0	797	744	761
3		अनपरा सी ANPARA-C	0%	100%	0%	0%	0	792	757	773
4		अनपरा डी ANPARA-D	0%	100%	0%	0%	0	791	754	772
5		अंता ANTA	0%	100%	0%	0%	0	803	762	782
6		बलिया BALLIA	0%	100%	0%	0%	0	799	742	771
7		भिवानी BHIWANI	0%	95%	5%	5%	34	810	764	788
8		बरेली BAREILLY	0%	100%	0%	0%	0	760	750	758
9		फतेहपुर FATEHPUR	0%	100%	0%	0%	0	790	731	762
10		ग्रेटर नोएडा GREATER NOIDA	0%	97%	3%	3%	20	807	757	784
11		कटिक्ता JHATIKARA	0%	99%	1%	1%	4	806	751	780
12		कानपुर जेआइएस KANPUR GIS	4%	96%	0%	4%	25	760	726	758
13		लखनऊ LUCKNOW	0%	100%	0%	0%	2	805	746	777
14		ललितपुर LALITPUR	0%	100%	0%	0%	0	799	751	776
15		मेरठ MEERUT	0%	93%	7%	7%	50	812	753	788
16		मोगा MOGA	0%	99%	1%	1%	8	809	754	784
17		फागी PHAGI	0%	99%	1%	1%	5	802	734	783
18		वाराणसी VARANASI	0%	100%	0%	0%	1	803	747	775
19		उन्नाव UNNAO	0%	100%	0%	0%	0	789	734	762
1	पश्चिमी क्षेत्र WR	अकोला AKOLA	0%	100%	0%	0%	0	785	757	772
2		औरंगाबाद AURANGABAD	0%	100%	0%	0%	0	801	759	782
3		भोपाल (बीडीटीसीएल) BHOPAL (BDTCL)	0%	100%	0%	0%	0	790	749	769
4		बिलासपुर BILASPUR	0%	100%	0%	0%	0	776	751	764
5		बीना BINA	0%	100%	0%	0%	0	792	754	774
6		चापा CHAMPA	0%	97%	3%	3%	24	807	755	791
7		धर्मजयगढ़ DHARAMJAYGARH	0%	100%	0%	0%	0	790	753	772
8		धुले (बीडीटीसीएल) DHULE (BDTCL)	0%	100%	0%	0%	0	795	757	775
9		एकतुनी EKTUNI	0%	100%	0%	0%	0	789	752	771
10		ग्वालियर GWALIOR	0%	100%	0%	0%	0	797	752	777
11		इंदौर INDORE	0%	100%	0%	0%	0	790	749	769
12		जबलपुर JABALPUR	0%	100%	0%	0%	0	799	760	779
13		कोरडी KORADI	0%	100%	0%	0%	0	778	758	769
14		पुणे PUNE	0%	100%	0%	0%	0	797	733	772
15		रायगढ़ पुलिंग RAIGARH POOLING	0%	97%	3%	3%	21	806	703	792
16		रायपुर पुलिंग RAIPUR POOLING	0%	100%	0%	0%	3	802	776	789
17		सासन SASAN	0%	100%	0%	0%	0	777	754	764
18		सतना SATNA	0%	100%	0%	0%	0	782	744	763
19		शिवनी SEONI	0%	100%	0%	0%	0	794	760	778
20		सीपट SIPAT	0%	100%	0%	0%	0	773	752	763
21		सोलापुर SOLAPUR	0%	99%	1%	1%	5	806	769	787
22		तामनाम TAMNAR	0%	99%	1%	1%	10	805	766	792
23		तिरोडा TIRORA	0%	100%	0%	0%	0	777	754	766
24		वडोदरा VADODARA	0%	100%	0%	0%	0	794	752	774
25		विन्ध्यवाचल पुलिंग VINDHYACHAL PS	0%	100%	0%	0%	0	780	754	766
1	दक्षिणी क्षेत्र SR	वर्धा WARDHA	0%	99%	1%	1%	6	805	767	788
2		कूर्नूल KURNOOL	0%	96%	4%	4%	28	810	757	787
3		नेल्लूर पुलिंग NELLORE PS	0%	100%	0%	0%	0	799	755	780
4		रायचूर RAICHUR	0%	99%	1%	1%	10	806	764	788
5		निजामाबाद NIZAMABAD	0%	90%	10%	10%	74	809	769	792
6		श्रीकाकुलम SRIKAKULAM	0%	88%	12%	12%	90	809	766	792
1	पूर्वोत्तर क्षेत्र NER	तिरुवल्लूर THIRUVALLEEM	0%	92%	8%	8%	59	810	754	788
2		अजारा AZARA (400 kV)	0%	100%	0%	0%	0	414	401	408
3		बालिपारा BALIPARA (400 kV)	0%	99%	1%	1%	5	422	393	409
4		बिस्वनाथ चरिआलि BISWANATH CHARIALI (400 kV)	0%	100%	0%	0%	0	420	386	406
5		बोंगाईगाव BONGAIGAON (400 kV)	0%	100%	0%	0%	0	417	395	407
6		बोंगाईगाव टीपीएस BONGAIGAON TPS (400 kV)	0%	99%	1%	1%	5	422	400	412
7		बर्निहाट BYRNihat (400 kV)	0%	100%	0%	0%	0	414	401	408
8		पालाटाना PALATANA (400 kV)	0%	93%	7%	7%	51	422	411	418
9		रंगानादी RANGANADI (400 kV)	0%	100%	0%	0%	2	856	384	406
10		मीसा MISA (400 kV)	0%	97%	3%	3%	24	424	392	411
11	सिलचर SILCHAR (400 kV)	0%	100%	0%	0%	1	424	398	412	

All listed stations are 765 kV stations unless otherwise mentioned
*Percentage is calculated w.r.t. Time of one month.

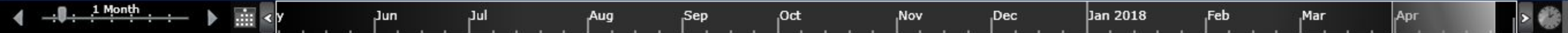
FREQUENCY DEVIATION INDEX FOR APRIL 2018

Date of reporting:

04-May-18

Date	Percentage of time frequency is			Freq Deviation Index* (FDI)	No. of hours frequency is outside 49.9-50.05 Hz	Average Frequency (Hz)
	<49.9 Hz	49.9 - 50.05 Hz	>50.05 Hz			
01-Apr-18	7.34	76.11	16.55	23.89	5:44	49.99
02-Apr-18	9.83	83.32	6.85	16.68	4:00	49.97
03-Apr-18	35.46	60.53	4.00	39.47	9:28	49.93
04-Apr-18	11.54	82.38	6.08	17.62	4:13	49.96
05-Apr-18	8.74	84.46	6.81	15.54	3:43	49.98
06-Apr-18	16.54	75.72	7.74	24.28	5:49	49.96
07-Apr-18	14.47	78.59	6.94	21.41	5:08	49.97
08-Apr-18	3.43	85.81	10.76	14.19	3:24	50.00
09-Apr-18	10.07	80.24	9.69	19.76	4:44	49.98
10-Apr-18	13.40	80.57	6.03	19.43	4:39	49.97
11-Apr-18	14.35	80.81	4.84	19.19	4:36	49.96
12-Apr-18	8.75	82.67	8.58	17.33	4:09	49.98
13-Apr-18	17.85	77.67	4.48	22.33	5:21	49.96
14-Apr-18	10.25	84.44	5.30	15.56	3:44	49.97
15-Apr-18	9.75	82.91	7.35	17.09	4:06	49.97
16-Apr-18	22.73	72.26	5.01	27.74	6:39	49.95
17-Apr-18	21.52	73.24	5.24	26.76	6:25	49.95
18-Apr-18	15.02	79.33	5.65	20.67	4:57	49.96
19-Apr-18	10.97	84.09	4.94	15.91	3:49	49.96
20-Apr-18	6.44	80.60	12.96	19.40	4:39	49.99
21-Apr-18	15.59	79.29	5.12	20.71	4:58	49.96
22-Apr-18	4.87	80.59	14.54	19.41	4:39	49.99
23-Apr-18	21.62	75.39	2.99	24.61	5:54	49.95
24-Apr-18	9.42	86.15	4.43	13.85	3:19	49.97
25-Apr-18	8.50	83.99	7.51	16.01	3:50	49.98
26-Apr-18	9.14	83.59	7.27	16.41	3:56	49.97
27-Apr-18	20.86	73.03	6.11	26.97	6:28	49.95
28-Apr-18	23.81	71.62	4.57	28.38	6:48	49.95
29-Apr-18	1.23	88.53	10.24	11.47	2:45	49.99
30-Apr-18	0.41	79.22	20.37	20.78	4:59	50.01
April 2018	12.80	79.57	7.63	20.43	147:04	49.97

*FDI is defined as percentage of time for which frequency is outside IEGC band (49.9-50.05 Hz)



Standard Chart

- IMPHAL
 - NTPC-VINDHYACHAL
 - RANCHI
 - THRISSUR
 - BALLIA
 - BASSI
 - CGPL Mundra
 - RAMAGUNDAM
 - BALIPARA
 - BVT
 - FARAKKA
- Voltage 1 Angle NTPC-VINDHYACHAL

